

24(7)

AUTHORS: Borbat, A. M., Shishlovskiy, A. A.

SOV/48-23-9-15/57

TITLE: On the Connection Between the Attenuating Effect of "Third" Components and the Transport of Substance In Light Sources in Spectral Analyses

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 9, pp 1086-1087 (USSR)

ABSTRACT: Among the complicated characteristic features of the influence exercised by "third" elements only their attenuating effect is investigated in this paper. As the concentration of the elements to be determined is determined according to the relative intensity of the spectral lines of these elements and the lines of the base material of the alloy, not only the quantity of the base material of the alloy, but also the quantity of the "third" elements influences results. The "third" component attenuates only the absolute intensities of the base material lines, but not those of the components. If an analysis is carried out in disregard of the attenuating effect (as is done in practice), the base material content of the alloy in the standards must be constant, or fluctuate only within very narrow permissible limits. In the present

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and the Transport of Substance In Light Sources in Spectral Analyses

paper these ranges are investigated. The investigations were carried out in alloys with iron and aluminum as base materials, and the absolute intensity of the spectral lines of the base material depending upon the content of the alloy was investigated. It was found that, if both electrodes are made of the material under investigation, a dependence of line intensity on the base material content may be observed in the case of aluminum. The same may be said if the carrying electrode is made of aluminum. This may be explained only by a transport of substance into the light source. For the purpose of investigating this hypothesis experiments were made, in which a material transport into the light source was excluded.

Where the carrying electrode is of aluminum, the attenuating effect of the "third" components was lacking (curve III in the figure). Similar experiments carried out with alloys containing iron as base material showed the following when copper, aluminum, graphite, and iron were used as material for the carrier electrodes: The attenuating effect exercised by "third" components in the case of a transport of material into the light source had the same character. If

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the material transport into the light source is avoided, the attenuating effect of the "third" components fails to occur only if iron is used as a carrier electrode. Finally, a series of standard samples of an alloy on an Al-base is discussed, and a table shows the analyses of these samples. The fluctuation of the base material (aluminum) content amounts to 1.44%, which corresponds to a variation of line blackening of $\pm 2.1\%$. This results in an error in content determination amounting to $\pm 4.5\%$. If, thus, the error of an analysis is permitted to amount to $\pm 4.5\%$, this standard series may be used without taking account of the attenuating effect exercised by "third" components. There are 1 figure, 1 table, and 4 Soviet references.

ASSOCIATION: Kiyevskiy gos. universitet im. T. G. Shevchenko
(Kiyev State University imeni T. G. Shevchenko)

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S/185/60/005/003/016/020
D274/D303

AUTHORS: Gorban', I.S., Rud'ko, S.M. and Shyshlovs'kyy, O.A.

TITLE: Wavelength-independence of quantum yield of infrared Cu₂O-luminescence during excitation in the region of exciton absorption spectraPERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 5, no. 3, 1960,
420-422

TEXT: The dependence is studied of the intensity of infrared luminescence of Cu₂O on the wavelength during excitation in the region of the yellow and green hydrogenic series. In literature, there is no common viewpoint regarding the mechanism of excitation-energy transmission to the local impurity-centers which cause the luminescence. A quantitative study of the Cu₂O absorption-spectrum at liquid-air temperature, showed that the long-wave edge of the eigen-absorption band has a complex structure. In the present study, a lamp of 300 watt was used as a light source. Then the light passed

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through a monochromator and onto a photomultiplier whose signal was amplified and recorded by electronic potentiometer PSP-1. The measurements were conducted at liquid-air temperature. A figure shows the intensity plotted vs. wavelength (in Å). The spectrum was obtained from a specimen 50 μ thick. From the figure it is evident that stronger luminescence corresponds to greater absorption. It was established that the dependence of luminescence on wavelength does not have a structure corresponding to the narrow hydrogenic series of exciton absorption. The investigation shows that the intensity of luminescence does not depend on the nature of the exciting light. The processes involved in the luminescence can be explained by assuming an exciton mechanism of energy transmission to the luminescence centers. Excitation by carriers is likely owing to the size of the exciton radius. The lifetime of the carriers in the conduction zone is very short; this may be the reason for the small quantum-yield of photoconductivity in Cu₂O which agrees with the results of earlier investigations. In conclusion, the author considers that a complete solution of the problem would

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require further experimental results. There is 1 figure and 6 references: 5 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: J. Bloem, Philips Research Reports, 13, no. 2, 167-193, 1958.

ASSOCIATION: Kyyivs'kyy derzhavnyy universytet im. T.G. Shevchenka (Kiyev State University im. T.G. Shevchenko)

SUBMITTED: December 31, 1959

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PHASE I BOOK EXPLOITATION

SOV/5378

Shishlovskiy, Aleksandr Andreyevich

Prikladnaya fizicheskaya optika (Applied Physical Optics) Moscow,
Fizmatgiz, 1961. 822 p. 15,000 copies printed

Eds.: L. F. Veres and S. G. Rautian; Tech. Ed.: N. Ya Murashova.

PURPOSE: This handbook is intended for specialists in allied sciences and
for university students.

COVERAGE: The book discusses the design and operating principles of
optical instruments, various light measurements, especially photometric
measurements, optical instruments and techniques for using them in work
situations, light sources and light receivers, and optical methods of chem-
ical analysis and for the control of chemical technological processes.
Various types of light measurements used for the express control of tech-

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Applied Physical Optics

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nological production processes and the end product are reviewed. Material is included which enables the specialist to evaluate critically optical instruments and measurement methods which he will encounter in related periodical literature. The author thanks the following for their help: his colleagues of Kiev University, in particular Docent I. I. Kondilenko who wrote Chs. 15 and 16, and Docent I. S. Gorban' who wrote Chs. 3, 9, and 14; Docent M. U. Belyy, Senior Instructors N. Ya. Gorban' and A. M. Borat, Senior Laboratory Technicians L. A. Tolkacheva and I. A. Shaykevich; Professor B. I. Stepanov, M. A. Yel'yashevich, and A. N. Sevchenko and their co-workers at the Belorussian University; and S. G. Rautian, staff member of the Laboratory im. G. S. Landsberg a FIAN (Laboratory imeni G. S. Landsberg of the Physics Institute of the Academy of Sciences, USSR). References, mostly Soviet, follow each chapter.

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*9,4160 (also 1137,1395)*S/048/61/025/001/001/031
B029/B067

AUTHORS: Gorban', I. S., Rud'ko, S. N., and Shishlovskiy, A. A.

TITLE: Luminescence of semiconducting crystals on excitation in the region of the discrete structure of the absorption spectrum

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 1, 1961, 6-12

TEXT: According to the authors, the intensity of recently observed short-wave luminescence bands of Cu₂O (Ref. 5) is largely dependent on the production process and the heat treatment of the specimens. Fig. 1 shows luminescence spectra of Cu₂O crystals with different resistivities. The spectra were taken at 20°K and 77°K. The luminescence of Cu₂O crystals is mainly caused by impurity centers. Radiation 1 is caused by copper vacancies, whereas luminescence 2 and 3 are caused by oxygen vacancies. A temperature change strongly reduces the luminescence intensity of the bands in the short-wave region of the spectrum. In Fig. 2, A₁ schematically

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illustrates the ground states of defects of the type of copper vacancies. Levels A_2 and A_3 belong to the centers of the type of oxygen vacancies; m_1 and m_2 are the excited states of the centers. The mechanism of excitation-energy transfer to impurity centers on illumination of the crystal with frequencies of its own bands is essential for the explanation of luminescence and photoconductivity. For this purpose, the authors analyze some experimental data. Fig. 3 illustrates quantitative measurements of the absorption spectrum at liquid-air temperature, i.e., of absorption spectrum (1), excitation spectra of Cu_2O luminescence for radiation 1(2), as well as for bands 2 and 3(3). This can be explained by two mechanisms: 1) excitation energy is transferred to impurity centers by carriers and excitons with the same efficiency. 2) Impurity centers are excited by excitons which are formed directly during light absorption or through conduction bands by interaction of carriers of opposite sign. According to the authors, the second mechanism is more probable. In this connection, reference is made to N. A. Tolstoy's ideas. If $W_{i\phi} < W_i$, the following

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relation holds for the temperature dependence of the exciton lifetime:

$$\tau = \frac{1}{\beta + W_1 N_1 + (W_2 + W_3) N - (W_1 - W_{1\Phi}) C_1 e^{-\epsilon_1/kT} - (W_2 - W_{2\Phi}) C_2 e^{-\epsilon_2/kT} - (W_3 - W_{3\Phi}) C_3 e^{-\epsilon_3/kT}}$$

For the exciton yield of the i-th band $\gamma_i = W_i (N_i - C_i e^{-\epsilon_i/kT}) \tau$ holds with $i = 1, 2, 3$; N_i denotes the concentration of lattice defects per unit volume; N_i^- is the number of occupied levels; W_i are the probabilities of collision between excitons and vacancies; $W_{i\Phi}$ are the collision probabilities of an exciton with occupied acceptors; β is the decay probability of an exciton without collision with a defect. Furthermore, $N_1^- = C_1 e^{-\epsilon_1/kT}$, $N_2^- = C_2 e^{-\epsilon_2/kT}$, $N_3^- = C_3 e^{-\epsilon_3/kT}$. The conclusions drawn by the authors agree with the experimental results obtained and help to explain some hitherto inexplicable details. The authors then describe luminescence and absorption

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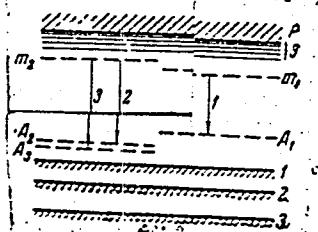
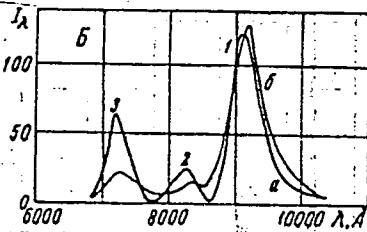
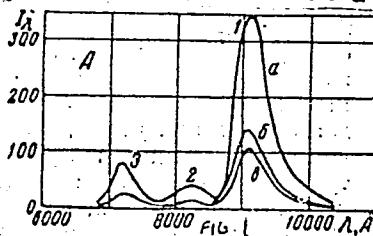
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properties of some other crystals. Fig. 4 shows the energy distribution in the two shortest short-wave luminescence bands of HgI_2 . The spectral properties of CdS , ZnS , PbI_2 crystals are similar to those of HgI_2 .

According to the results obtained, the structure of the excitation spectrum cannot be fully related to the different absorption character. This is the reproduction of a lecture read at the Ninth Conference on Luminescence (Crystal Phosphores), Kiev, June 20-25, 1960. There are 5 figures, 1 table, and 17 references: 12 Soviet-bloc and 5 non-Soviet-bloc.

Legend to Fig. 4: Low-temperature spectra of HgI_2 ; A) $T = 20^\circ C$, B) $T = 77^\circ C$; curves a and b refer to crystals grown by the sublimation method, c to crystals grown from a solution.



S/048/62/026/001/001/018
B125/B104

AUTHORS: Sevchenko, A. N., Shishlovskiy, A. A.
TITLE: Life and work of Sergey Ivanovich Vavilov
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya.
v. 26, no. 1, 1962, 7-13

TEXT: S. I. Vavilov was born in Moscow on March 24, 1891. After graduating from a commercial school he enrolled at the fiziko-matematicheskiy fakul'tet Moskovskogo universiteta (Division of Physics and Mathematics of the Moscow State University). He was taught physics by P. N. Lebedev, A. A. Eykherval'd, N. A. Umov; mechanics by N. Ye. Zhukovskiy and S. A. Chaplygin; mathematics by B. K. Mlodzeyevskiy, D. F. Yegorov, N. N. Luzin; botany by K. A. Timiryazev; chemistry by N. D. Zelinskiy; astronomy by P. K. Shternberg; and crystallography by V. I. Vernadskiy. The early scientific work of student Vavilov at P. N. Lebedev's laboratory was supervised by P. P. Lazarev, also a student of the latter. Vavilov's paper "Thermal bleaching of dyes", the result of an investigation conducted in the underground laboratory, set up after the student

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Life and work of Sergey...

agitations of 1911, won him the first acknowledgement. After graduation in 1914 he rejected, for political reasons, an appointment to the kafedra fiziki Moskovskogo universiteta (Department of Physics of the Moscow University), and carried on studies on radiation during his military service of 1914-1918. After going through the degrees of magister and docent, he headed the kafedra obshchey fiziki (Department of General Physics) as a professor. At the same time, he was professor of physics and theoretical illumination engineering at the Moskovskoye vyssheye tekhnicheskoye uchilishche (Moscow School of Higher Technical Education) and other such institutes. Between 1918 and 1930 he was the head of the otdel fizicheskoy optiki v institute fiziki i biofiziki Narkomzdrava (Department of Physical Optics at the Institute of Physics and Biophysics of the People's Commissariat for Health). He was appointed both Corresponding Member and Real Member of the Academy of Sciences USSR in 1931 and 1932, respectively. Likewise in 1932, he was appointed director of the Fizicheskiy institut Akademii nauk (Physics Institute of the Academy of Sciences) and scientific head of the Gosudarstvennyy opticheskiy institut (State Optical Institute). Among hundreds of scientific papers, more than a hundred deal with physical optics,

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Life and work of Sergey...

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V. V. Antonov-Romanovskiy, M. A. Konstantinova. Shlezinger, Z. A. Trapeznikova, V. V. Zelinskiy, N. A. Tolstoy, A. M. Bonch-Bruyevich, M. N. Alentsev et al. Vavilov was greatly concerned with introducing scientific methods into industrial production processes. Under his supervision, the Fizicheskiy institut im. P. N. Lebedeva (Physics Institute imeni P. N. Lebedev), formerly a modest laboratory of physics, expanded into one of the leading research institutes of the Soviet Union. Vavilov also devoted much of his efforts to the organization of the FIAN and of the State Optical Institute, and promoted nuclear physics. He participated in the reorganization of the Academy of Sciences and in the coordination of scientific activities in the various Soviet Republics. His name is also linked with methodology, history of physics, and popular scientific literature. Large scientific centers concerned with problems of luminescence now exist or are being built at Kiev, Tartu, Minsk, Chelyabinsk, Tomsk, Odessa, and other cities.

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24.3500 (1137,1138,1144)

S/048/62/026/001/010/018
B117/B102

AUTHORS: Belyy, M. U., Gorban', I. S., and Shishlovskiy, A. A.

TITLE: Photoluminescence of heavy-metal halides and semiconductor crystals

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26,
no. 1, 1962, 103 - 112

TEXT: 1. Photoluminescence of heavy-metal halides. It has been found at the Kiyevskiy gos. universitet im. T. G. Shevchenko (Kiyev State University imeni T. G. Shevchenko) that luminescence in alkali halide crystal luminophores takes place even without any ion association. Unlike Tl, Pb, and Sn the discovered luminescence of tellurium, antimony, and bismuth halides is observable at low temperatures only. An optical method developed by the authors themselves [Abstracter's note: details not given] was applied to determine the composition of the complexes forming in thallium and lead halide solutions, and the respective absorption spectra were calculated. Each type of complex is shown to have its own absorption spectrum. The shape of the absorption band is equal for each

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complex, and this points to one and the same absorption center, namely, the heavy-metal cation. With the exception of the thallium ion, heavy-metal cations are not luminescent in the hydrated state. However, if halogen ions are introduced into the aqueous solution, a luminescence characteristic of the metal salt concerned is brought forth. Complexes of differing compositions have the same luminescence spectrum in the heavy metal concerned. Their absorption spectra, however, differ noticeably as to wavelength. Unlike the luminescence spectra they are hardly affected by temperature. On a drop of temperature, the luminescence spectrum first shifts toward the longwave, and then sharply toward the shortwave range. The change of direction coincides with vitrification. The luminescence yield of the solutions examined grows sharply with a drop of temperature, and on the passage from one halogen to another it decreases in the following sequence: Cl^- , Br^- , I^- . In acid media it is noticeably decreased by shortwave-ultraviolet irradiation. It has been found that luminescence is caused by s-electrons. As for thallium and lead halide solutions, also d-electrons are probably involved. A comparison between absorption and luminescence spectra of liquid solutions and between alkali halide crystal phosphors similar in composition revealed great similarity.

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between their absorption and luminescence centers. 2. Photoluminescence of semiconductors. The authors' investigation chiefly yielded quantitative data regarding the absolute values of the absorption coefficients and the relative energy distribution in the emission spectra, thus permitting the interpretation of the latter. Cu_2O , PbI_2 , SiC, and HgI_2 crystals were examined. It has been found that the character of photoluminescence in semiconductors is determined by the characteristics of optical transitions related to light absorption. The particular character of the structure of natural energy states in crystals manifests itself in that the energy distribution in the photoluminescence spectrum in straight forbidden and oblique transitions is determined by local centers. In the case of a longwave edge structure due to straight allowed transitions, a natural radiation of crystals is observable besides the luminescence of local centers. Intense natural radiation occurs only if exciton transitions are of high probability and the local centers are not too concentrated. A study of optical properties of some semiconductors showed that the exciton structure of the absorption spectrum can be observed under certain conditions, namely, at low

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temperatures and on sufficiently large crystals. Based on the properties of the longwave edge fine structure, a classification and a description of the character of optical transitions are possible. The energy distribution in the emission spectrum and its dependence on the wavelength of excitation are strongly influenced by the character of natural energy states of crystals, and especially by the exciton processes taking place in the latter. There are 7 figures, 3 tables, and 22 references: 16 Soviet and 6 non-Soviet. The four most recent references to English-language publications read as follows: P. W. Baumeister, Phys. Rev., 121, 2, (1961); G. G. Macfarlane a. oth., J. Chem. Phys. Solids, 2, 386 (1959).
Phys. Rev., 108, 6 (1957); C. D. Clark, J. Chem. Phys. Solids, 2, 481 (1959).

ASSOCIATION: Kiyevskiy gos. universitet im. T. G. Shevchenko (Kiyev State University imeni T. G. Shevchenko)

Card 4/4

L 13;Q4-65 EPF(c)/EPF(n)-2/EPA(s)-2/EWT(1)/EWT(m)/EWP(b)/EWP(t) Pi-4/Pr-4/Pt-7/
Pu-4 IJP(c) JD/JG
ACCESSION NR: AP5009508

S/0048/65/029/003/0380/0382

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β

AUTHOR: Subbot-Mel'nik, P.A.; Shishlovskiy, A.A.

21

TITLE: Kinetics of the luminescence of some alkali halide crystal phosphors
Report, 12th Conference on Luminescence held in Lvov, 30 Jan-Feb 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 3, 1965, 380-382

TOPIC TAGS: luminescence, luminescence center, luminescent crystal, alkali halide,
potassium compound, sodium compound, chlorine compound, bromine
compound, indium, tin

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ABSTRACT: The duration of afterglow of the short- and long wave length luminescence bands of KBr:In were measured at 95°K with a phase-shift fluorometer employing a modulation frequency of 75 kc/sec. The afterglow durations of both luminescence bands were independent of exciting wavelength; they were 2.30 and 4.93 μ sec for the short- and the long wavelength bands, respectively. Excitation functions of the two luminescence bands are presented; they are similar but differ in detail. By a brief theoretical analysis of the data it is shown that if

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ACCESSION NR: AP5009508

the two luminescence bands are due to transitions from different excited states of the same luminescence centers, these must be states between which thermally induced transitions are frequent and the afterglow duration of the two bands must be the same. Since this is contradicted by the afterglow duration measurements, it is concluded that the two luminescence bands are due to two different types of luminescence centers. Similar measurements by several other authors on NaCl:Sn are briefly discussed, and the same conclusion is reached for this phosphor. Excitation spectra and afterglow durations were measured for the short- and long wavelength edges of the luminescence of KBr:Sn. In this case the afterglow duration depended not only on the luminescence wavelength, but also slightly on the exciting wavelength. It is concluded that this material has at least two luminescence bands, that these are due to transitions from the first and second excited states of the luminescence centers, and that there are two types of luminescence centers, which differ only as regards the immediate surroundings of the activator ion.
Orig. art. has: 6 formulas, 3 figures, and 1 table.

ASSOCIATION: None

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"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYAKOV, A.B., kand.tekhn.nauk; MIKHAYLOV, A.F., inzh.; KRAVTSOV, Yu.A., inzh.

Schematic of a pulse track circuit using rails with concrete ties. Avtom,
telem. i sviaz' 7 no.2:5-7 F '63. (MIRA 16:3)
(Railroads--Signaling)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

BRYLEYEV, A.M., doktor tekhn. nauk, prof.; SHISHLYAKOV, A.V., kand.
tekhn. nauk; NENOV, I.Kh., aspirant

Frequency-code automatic block system. Trudy MIIT no.170:
105-118 '63. (MIRA 17:6)

BRYLEYEV, A.M.; FONAREV, N.M.; SHISHLYAKOV, A.V.; PENKIN, N.F.; ARSHAVSKIY,
S.L.; SADOV, I.Ya., red.; VERINA, G.P., tekhn. red.

[Automatic locomotive signaling with continuous automatic stop
according to the system developed by the Central Scientific
Research Institute] Avtomaticheskaya lokomotivnaya signalizatsiya
s nepreryvnym avtostopom sistemy TSNII. Moskva. Gos. transp. zhel-
dor. izd-vo, 1952, 190 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'-
skii institut zhelezodorozhного transporta. Trudy, no.52).

(Railroads—Signalizing) (MIRA 11:6)
(Railroads—Automatic train control)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYAKOV A.V.

BRYLEYEV, A.M.; FONAREV, N.M.; SHISHLYAKOV, A.V.

Numerical code alternating-current automatic block system.

Trudy TSNII MPS no.84:3-151 '53.

(MLRA 7:5)

(Railroads--Signaling)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

BRYLEYEV, A.M. doktor tekhnicheskikh nauk; SHISHLYAKOV, A.V., kandidat
tekhnicheskikh nauk.

Locomotive signal systems and speed control worked out by the
Central Scientific Research Institute of the Ministry of Trans-
portation and Communication. Vest.TSNII MPS no.3:3-10 N '56.

(MIRA 10:1)

(Railroads--Signaling)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

YEVSEYEV, I.G., kandidat tekhnicheskikh nauk; SHISHLYAKOV, A.V., kandidat tekhnicheskikh nauk.

Protecting automatic block-system signals and track installations from atmospheric supertension. Tekh.zhel.dor. 15 no.3:19-21 My '56.
(MLRA 9:8)

(Railroads--Signaling--Block system)

SHISHLYAKOV, A.V., kandidat tekhnicheskikh nauk; FOKIN, M.D., inzhener;
YASENTSEV, V.F., inzhener; LATYSHEV, K.V., kandidat tekhnicheskikh
nauk; ALBEGOV, N.A., kandidat tekhnicheskikh nauk.

The electro-pneumatic brake. Zhel. dor. transp. 38 no.8:18-23
Ag '56. (MLRA 9:10)

(Railroads--Brakes)

SHISHLYAKOV, A.V.

ARSHAVSKY, S.L.; BRYLEYEV, A.M.; MOZHAYEV, S.S.; SHISHLYAKOV, A.V.;
CHEKHOV, N.M., redaktor, inzhener; BOBROVA, Ye.N., tekhnicheskiy redaktor.

[Automatic locomotive signaling of the continuous type having speed control developed by the Central Scientific Research Institute] Avtomaticheskaya lokomotivnaya signalizatsiya neprevnogo tipa s kontrolem skorosti sistemy TsNII. Moskva, Gos. transp. zhel-dor. izd-vo, 1957. 136 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhного transporta. Trudy no.136). (MLRA 10:9)

(Railroads--Automatic train control)

SHISHLYAKOV, A.V., kandidat tekhnicheskikh nauk; LEONOV, A.A., inzhener.

Numerical coded d.c. automatic blocking. Avtom., telem. i sviaz'
no. 5:9-16 My '57. (MLRA 10:7)
(Railroads--Signaling--Block system)

SHISHLYAKOV, A.V., kandidat tekhnicheskikh nauk; MOZHAYEV, S.S., inzhener.

Automatic locomotive signaling with speed control system
developed by the Central Scientific Research Institute (TsNII).
Avtom., telem. i sviaz' no.6:12-16 Je '57. (MLRA 10:?)
(Railroad--Signaling)

SHISHLYAKOV, A.V., kandidat tekhnicheskikh nauk; MOZHAYEV, S.S., inzhener.

Automatic locomotive signaling with speed control systems
developed by the Central Scientific Research Institut.(TSNII).
Avtom.elem. i sviaz' no.7:4-8 Jl '57. (MLRA 10:8)
(Railroads--Signaling)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

BRYLEV, A.M., doktor tekhnicheskikh nauk; SHISHLYAKOV, A.V., kandidat
tekhnicheskikh nauk.

Direct-current numerical code automatic block systems. Avtom.telem.i
sviaz' no.8:9-14 Ag '57. (MRA 10:8)
(Railroads--Signaling--Block systems)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

SHISHLYAKOV, A.V., kand. tekhn. nauk.

Protected section associated with ceded automatic block systems
using alternating current. Avtom., telem. i sviaz' 2 no.11:4-7
N '58. (MIRA 11:12)
(Railroads--Automatic train control)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYAKOV, A.V., kand. tekhn.nauk; YASENTSEV, V.F., kand. tekhn. nauk

Calculating the effect of traction currents on electro-pneumatic brakes. Vest. TSNII MPS 17 no.8:13-18 D '58.

(Railroads--Brakes)

(MIRA 12:1)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

ALBEGOV, N.A.,kand.tekhn.nauk; SHISHLYAKOV, A.V.,kand.tekhn.nauk;
YASENTSEV, V.F.,kand.tekhn.nauk; MOKHOVIKOV, D.I.,inzh.; FOKIN,
M.D.,inzh.

Development and prospects for the adoption of electropneumatic
brakes. Trudy TSNII MPS no.163:134-168 '58. (MIRA 12:2)
(Railroads--Brakes)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYAKOV, A.V., kand. tekhn. nauk

Transistorized automatic cab signaling amplifier on locomotives.
Avtom. telem. i sviaz' 3 no.11:6-9 N '59 (MIRA 13:3)
(Transistor amplifiers) (Railroads--Electronic equipment)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

BEYLEYEV, A.M., doktor tekhn.nauk; SHISHLYAKOV, A.V., kand.tekhn.nauk;
MOZHAYEV, S.S., inzh.

Improved system for automatic cab signaling. Avtom., telem.
i sviaz' 4 no.6:4-7 Je '60. (MIRA 13:7)
(Locomotives) (Railroads--Signalizing)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYAKOV, A.V., kand.tekhn.nauk

Effect of the traction current on the operation of automatic
cab signaling devices. Avtom.telem.i sviaz' 4 no.8:14-16
Ag '60. (MIRA 13:8)
(Electric railroads--Signaling)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

SHISHLYAKOV, A.V., kand.tekhn.nauk; MOZHAYEV, S.S., inzh.

Four-sign numerical code automatic block system with relaying of pulses.
Avtom., telem i sviaz' 4 no.10:6-11 C-860, 1960 (MIRA 13:10)
(Railroads--Signalizing--Block system)

KOTLYARENKO, Nikolay Fedorovich; VOLKOV, V.F., inzh., starshiy prepodavatel',
retsenzent; LEONOV, A.A., inzh., retsenzent; SHISHLYAKOV, A.V., kand.
tekhn. nauk, retsenzent; PENKIN, N.F., kand. tekhn. nauk, nauchnyy
red.; BOBROVA, Ye.N., tekhn. red.

[Electric rail circuits] Elektricheskie rel'sovye tsepi. Mo-
skva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshche-
niia, 1961. 326 p. (MIRA 14:8)
(Railroads--Signalging)

VAKHNIN, M.I., doktor tekhn.nauk; SHISHLYAKOV, A.V., kand.tekhn.nauk

Characteristics of the numerical code system of automatic block
signaling with code translation. Vest.TSNII MPS 21 no.2:11-16
'62. (MIRA 15:4)

(Railroads--Signaling--Block system)

BRILEYEV, A.M., doktor tekhn.nauk, prof.; SHISHLYAKOV, A.V., kand.tekhn.
nauk; PUGIN, D.K., kand.tekhn.nauk; YEFIMOV, G.K., inzh.;
MOZHAYEV, S.S., inzh.; GRIGOR'YEV, N.I., inzh., retsentent;
KAZAKOV, A.A., kand.tekhn.nauk, retsentent; PETUSHKOVA, I.K.,
inzh., red.; USENKO, L.A., tekhn.red.

[New systems of coded automatic block signaling] Novye sistemy
kodovoi avtoblokirovki. Moskva, Vses. izdatel'sko-poligr.
ob"edinenie M-va putei soob., 1961. 135 p. (Moscow. Vsesoiuznyi
nauchno-issledovatel'skii institut zhelezodorozhного transporta.
(MIRA 15:1)
Trudy, no.219).
(Railroads—Signaling—Block system)

SHISHLYAKOV, A. V., kand. tekhn. nauk; YEFIMOV, G. K., kand. tekhn.
nauk; DMITRIYEV, V. S.

Track circuit with tuned resonant joint transformers. Avtom.,
telem. i sviaz' 7 no.4:4-7 Ap '63. (MIRA 16:4)

1. Starshiy inzh. laboratorii avtoblokirovki i avtoregulirovki
Vsesoyuznogo nauchno-issledovatel'skogo instituta zhelezno-
dorozhnogo transporta Ministerstva putey soobshcheniya (for
Dmitriyev).

(Railroads—Signaling—Centralized traffic control)

SHISHLYAKOV, A.V., kand. tekhn. nauk; MIKHAYLOV, A.F., inzh.;
KRAVTSOV, Yu.A., inzh.; OKORKOV, V.A., inzh.; REMESH, V.V., inzh.

Operation of pulse-type track circuits on tracks with reinforced
concrete ties. Avtom., telem. i sviaz' 7 no.7:4-7 J1 '63.
(MIRA 16:10)

LEV SIBYAKOV, A.V., kand.tekhn.nauk; MIKHAYLOV, A.F., inzh.; KRAVTSOV, Yu.
A., aspirant

Analysis of the track circuit in case of a damaged rail. Vest.
(MIRA 17:2)
TSNII MPS 22 no.8:45-48 '63.

VYKHODTSEV, V.V., inzh.; SHISHLYAKOV, A.V., kand.tekhn.nauk

Track and locomotive signaling in high-speed traffic. Zhel.-dor.transp.
(MIRA 17:2)
45 no.12:40-43 D '63.

SHISHLYAKOV, A.V., kand.tekhn.nauk; MOZHAYEV, S.S., inzh.

Automatic cab signaling system with speed control and periodic testing developed by the Central Scientific Research Institute. Avtom. i sviaz' 8 no.12:6-10 D '64.

(MIRA 18:1)

SHISHLYAKOV, A.V., kand.tekhn.nauk; KOGAN, D.A.; ANTCNOVA, L.N.

Single-track automatic block system without main track signal
lights and with unlimited pulse track circuits. Avtom., telem.
i sviaz' 9 no.5:20-24 My '65. (MIRA 18:5)

1. Vedushchiy konstruktorskogo byuro Glavnogo upravleniya
signalizatsii i svyazi Ministerstva putey soobshcheniya (for
Kogan). 2. Starshiy inzh. konstruktorskogo byuro Glavnogo
upravleniya signalizatsii i svyazi Ministerstva putey soobsh-
cheniya (for Antonova).

PARAMONOVA, V.I.; KEREYCHUK, A.S.; SHISHLYAKOV, B.A.

Ion exchange applied to the study of the forms of a substance in solution. Part 7: Complex formation between yttrium and monobasic acids. Radiokhimiia 1 no.6:650-659 '59.
(MIRA 13:4)

(Ion exchange) (Yttrium compounds)
(Acids)

KORNAKOV, Anatoliy Mikhaylovich, kand.tekhn.nauk; KARLOVSKIY, S.A.,
inzh., retschenzent; SHISHLYKOV, Ye.S., inzh., red.;
VOROTNIKOVA, L.F., tekhn. red.

[Layout of railroad tracks in junctions] Razviazki zhelezno-
dorozhnykh linii v uzlakh. Moskva, Transzheldorizdat, 1962.
153 p. (MIRA 15:8)

(Railroad engineering)

SHISHLYANNIKOV, A.

Socialist competition of concreters. Sov.profsoiuzy 4 no.1:
46-49 Ja '56. (MLRA 9:4)

1.Predsedatel' komissii po proizvodstvenno-massovoy rabote
komiteta profsoyuza Stroykombinata No.1 tresta "Stalingradmetal-
lurgstroy".
(Precast concrete construction)

SHOSTAK, F.T.; BESMAN, V.L.; SHISHLYANNIKOV, L.A.; TSKHAY, A.A.; LYUBMAN N. Ya.;
KATSOVICH, F.A.

Study of critical velocities for the labyrinth-type electrodializers in
the process of water demineralization. Trudy Inst. khim. nauk AN Kazakh.
SSR 11:170-175 '64.

SHISHLYANNIKOV, L.M.

Two crops a year in the Voronezh fields. Zemledelie 25 no.4:
72 Ap '63. (MIRA 16:5)

1. Zamestitel' nachal'nika Talovskogo proizvodstvennogo upravleniya.
(Talovaya region—Peas)

MISHLYAM [KCV, Leonid Vikkayevich, st. nauchn. red.]; Nikolaiy Kuz'mich;
KOZHOKIN, Moisey Iosifovich, zhurnal'ist; LAVRUKHIN,
Ivan Nikitich, st. nauchn. sotr.; ITURINA, R.G., red.

[Stubble and postharvest crops, practices on collective
and state farms of the Talyavaya Agricultural Administration
in Voronezh Province and on collective and state
farms in Belgorod Province] Rozhnyvye i perekosnye polevy;

opyt po lkhozov i sovkhozov Talyavskogo preizvodstvennogo
upravleniya Voronezhskoi oblasti i zemel'khozov i sovkhozov
Belgorodskoi oblasti. Voronezh, Tsentro-Chernozemne
knizhnoe izd-vo, 1964. 33 p. (MIRA 18:1)

1. Belgorodskaya oblastnaya spetsnaya sel'skokhozyaystven-
naya stantsiya (for Lavrukhin).

2
A1116211 EMT(1)/EUG(-)/EEC(F)-2/EWA(n) Pg-1/Pg-4/Pg-1/Feb/p1-4/p1-4
ACCESSION NR: AP5011878 UR/0120/65/000/002/0094/0100 38
37

AUTHOR: Gavriš, P. P.; Denišov, Yu. N.; Komissarov, A. G.;
Lachinov, V. M.; Prilipko, V. I.; Sušov, Yu. I.; Šišlyannikov, P. T.

TITLE: Wide-range automatic electronic-counter frequency meter

SOURCE: Pribory i tekhnika eksperimenta, no. 2, 1965, 94-100

TOPIC TAGS: frequency meter, electronic frequency meter

ABSTRACT: An electronic-counter-type frequency meter is described which is intended for measuring the frequency of sinusoidal or pulse signals within the 0.1-100-Mc range. Measurements can be made either automatically every 5-30 sec or sporadically by pushbutton. The digital-type instrument operates from 0.05-1 v at its input, displays the results on decade tubes, and can also deliver a binary-decimal code suitable for computers. The frequency meter can be used not only for direct frequency measurement but also in conjunction with a nuclear

Card 1/2

L 47074-63

ACCESSION NR: AP5011878

magnetometer for precision measurement of magnetic field strength. A block diagram and circuit diagrams of the amplifier, a 1-Mc reference crystal oscillator, a cold-cathode-tube relaxation generator, frequency dividers, counter decades, an output-to-printer unit, and a clock-frequency decade unit are presented. Orig. art. has: 7 figures and 1 formula. [03]

ASSOCIATION: Ob'yedinenyy Institut yadernykh issledovaniy (Joint Institute
of Nuclear Research)

SUBMITTED: 06Mar64 ENCL: 00 SUB CODE: EC
NO REF Sov: 003 OTHER: 000 ATD PRESS: 400L

b7c
Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

ADAM, I.; DENISOV, Yu.N.; KOKESH, A.; CHUMIN, V.G.; SHISHLIANNIKOV, P.T.

System for automatic measurement fo conversion electron spectra
using a magnetic β -spectrometer. Izv. AN SSSR. Ser. fiz. 29
no.12:2147-2156 D '65. (MIRA 19:1)

I. Laboratoriya yadernykh problem Ob'yedinennogo instituta
yadernykh issledovaniy i Institut yadernykh issledovaniy
Chekhoslovatskoy Akademii nauk.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

L 06134-67 EWT(1)
ACC NR: AP6022005

SOURCE CODE: UR/0120/66/000/002/0107/0114

AUTHOR: Denisov, Yu. N.; Komissarov, A. G.; Prilipko, V. I.; Susov, Yu. I.; Shishlyannikov, P. T.

35
6

ORG: Joint Nuclear Research Institute, Dubna (Oo"yedinenyyi institut yadernykh issledovaniy, Dubna)

TITLE: Electron-counting system for stabilizing frequency of r-f oscillators 75

SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1966, 107-114

TOPIC TAGS: rf oscillator, electronic oscillator, frequency stability

ABSTRACT: The development of a new apparatus is reported which automatically sets and maintains the frequency of an oscillator within 0.001% in a 1--100 Mc band. The time Δt_r necessary for filling a counting decade (1 through 6, adjustable) register with the pulses recurring at a frequency f_x is compared with a reference time interval Δt_r . The comparison results in an error signal which adjusts, through a feedback channel, the parameters of the oscillatory circuit in such a way that $f_x = N/\Delta t_r$, where N is the number of pulses required for filling the register. The register capacity varies due to clearing (before each filling) not to zero, but to $N' = N_m - N$, where N_m is the maximum capacity of the register. Thus, when N' varies, f_x also varies always remaining $f_x = (N_m - N')/\Delta t_r$. The frequency error is corrected

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UDC:621.373.023:621.373.078.6

L 06121-57

ACC NR: AP6022005

"coarsely" by a servomotor-operated main capacitor of the oscillatory circuit and "finely" by an additional varicap in the same circuit. If the reference time interval is 1 sec, the value of $N_m - N'$ is in cps. In NMR apparatus, the value of $N_m - N'$ can be expressed directly in teslas or oersteds. The frequency stabilizing system is designed for a 1--10-Mc band (or 0.0235--0.2350 teslas). An additional high-speed decade is used to widen the frequency band to 100 Mc (or 2.35 tl). Principal circuit diagrams of the apparatus and its component parts are explained. Orig. art. has: 9 figures and 5 formulas.

SUB CODE: 20, 09 / SUBM DATE: 08Jun65 / ORIG REF: 002

Card 2/2 LC

SHISHLYANNIKOV, S.F., otvetstvennyy za vypusk; KOLOMIETS, K.A., tekhn.red.

[Economy of Bryansk Province; a statistical manual] Narodnoe
khoziaistvo Bryanskoi oblasti; statisticheskii sbornik. Orel,
Gosstatizdat, 1958. 109 p. (MIRA 11:6)

(Bryanskaya oblast', Statisticheskoye upravleniye.
(Bryansk Province--Statistics)

KHAZANOV, Ye.I.; KHLYUPINA, A.F.; HESSONOVA, A.S.; SHISHLYANNIKOVA, E.M.;
MEN'SHIKOV, P.S.

Sintering Uzhur nepheline syenites with limestones in the presence
of a reducing agent. Trudy Vost.-Sib. fil. AN SSSR no.13:134-143
'58. (MIRA 12:12)

1. Vostochno-Sibirskiy filial AN SSSR.
(Uzhur region (Kuznetsk Ala-Tau)—Nepheline syenite)
(Limestone) (Sintering)

GALKOV, A.S.; KHAZANOV, Ye.I.; SHISHLYANNIKOVA, E.M.

Distribution of water-soluble alkalies in sinter cakes of nepheline-sodium-calcium charge mixtures. Trudy Vost.-Sib. fil. AN SSSR no.43: 59-62 '62.
(Nephelite) (MIRA 16:3)
(Sintering--Testing)

KUZ'MINA, G.V.; KHLYUPINA, A.F.; KHAZANOV, Ye.I.; SHISHLYANNIKOVA, E.M.;
Prinial uchastiye GALKOV, A.S.

Nepheline rocks of the Buryat A.S.S.R. are a possible raw material for
the production of alumina. Trudy Vost.-Sib. fil. AN SSSR no.43:63-68
'62. (MIRA 16:3)
(Buryat-Mongolia—Nephelite) (Aluminum oxide)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

KHAZANOV, Ye.T.; SHISHLYANNIKOVA, E.M.; RESHCHENKO, Z.I.

Simultaneous complex treatment of alumina-containing highly ferrous,
alkali aluminosilicates. TSvet.met. 38 no.7:58-62 Jl '65.
(MIRA 18:8)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

SHILOVANNA, L. I.

Accelerated Staining of Blood Samples For Leukocyte Formula Count.
GYMNO-ADVISORY JOURNAL (MILITARY MEDICAL JOURNAL), no 12, 195... p.70

SHISHLYANNIKOVA, L.I., polipolkovnik meditsinskoy sluzby

Method for a rapid bacteriological diagnosis of dysentery. Voen.-
med.zhur. no.8:84-85 Ag '57. (MIRA 10:12)
(DYSENTERY, BACILLARY, diagnosis,
bacteriol. rapid technic (Rus))

SHISHLYANNIKOVA, L.I.

Study of the resistance of Shigella to levomycetin, streptomycin,
and biomycin. Zdrav. Bel. 5 no.5:7-8 My '59 (MIRA 12:8)

1. Iz voyennogo gospitalya.
(SHIGELLA) (ANTIBIOTICS)

SHISHLYANNIKOVA, L.I., podpolkovnik meditsinskoy sluzhby

Installation for washing pipets and stirring rods more rapidly.
Voen.-med.zhur. no.6:91-92 Je '59. (MIRA 12:9)
(LABORATORIES--EQUIPMENT AND SUPPLIES)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYANNIKOVA, N. A.

"Chicken Pox," Med. Sestra., No. 3, 1948.

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

S. S. D. M. T. C., 1952

Berlin, 1952

Effect of refrigeration on the course of scarlet fever. Sovmed. 16, no. 3, 1952.

FORMER LIST OF RADICAL APPROBATIONS, INSTITUTE OF HYGIENE, AUGUST 1952. UNCLAS/HTAB.

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHIYANNIKOVA, M., kandidat meditsinskikh nauk.

Report on the first Plenary Session of the All-Union Society of Pediatrists.
Pediatriia no.2:73-76 Mr-Ap '53.
(MLRA 6:5)
(Pediatrics)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYANNIKOVA, M.A.

SHAPIRO, S.L.; SHISHLYANNIKOVA, M.A.

Second plenum of the All-Union Society of Pediatricians. Sov. med.
18 no.8:45-47 Ag '54.
(MLRA 7:8)
(PEDIATRICS--SOCIETIES)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

SUKHAREVA, M.Ye.; RITOVA, V.V.; SHAPIRO, S.L.; ORLOVA, A.V.; DIRECHINSKAYA, Sh.
L.; SHISHLYANNIKOVA, M.A.

Features of the course of influenza in children during the pandemic
of 1957. Vop. okh. mat. i det. 3 no.2:46-52 Mr-Ap '58. (MIRA 11:3)

1. Iz infektsionnogo otdela kafedry pediatrii Instituta virusologii
AMN SSSR, Instituta pediatrii AMN SSSR i Detskoy klinicheskoy bol'nitsy
imeni I.V.Rusakova.
(INFLUENZA) (CHILDREN--DISEASES)

SHISHLYANNIKOVA, M.A., kand.med.nauk

Whooping cough and its control. Med.sestra 17 no.12:9-13 D '58
(MIRA 11:11)

1. Detskaya bol'nitsa imeni I.V. Rusakova, Moskva.
(WHOOPING COUGH)

MANANNIKOVA, Nadezhda Vasil'yevna; BULGINA, Yelizaveta Aleksandrovna;
ROMANOVSKAYA, Sof'ya Yul'yevna; SHESTAKOVA, Natal'ya Petrovna;
SHAPIRO, Sof'ya L'vovna; SHISHLYANNIKOVA Mariya Abramovna;
NOVSELOVA, Raisa Semenovna; POPOVA, G.F., red.; YUKHNOVSKAYA,
S.I., red.; KOKIN, N.M., tekhn. red.

[Course of lectures for gravidas and mothers] Kurs lektsii
dlia beremennykh i materei. 7 lektsii. 5 izd. Moskva, Medgiz,
1963. 238 p. (MIRA 16:7)

(PRENATAL CARE) (WOMEN--HEALTH AND HYGIENE)
(INFANTS--CARE AND HYGIENE)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8

SHISHLYANNIKOVA, M.A.

Methods for improving antiepidemic work in pediatric polyclinics.
Vop. okh. m:t. i det. 8 no.7:69-74 Jl '63.

(MIRA 17:2)

APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549610016-8"

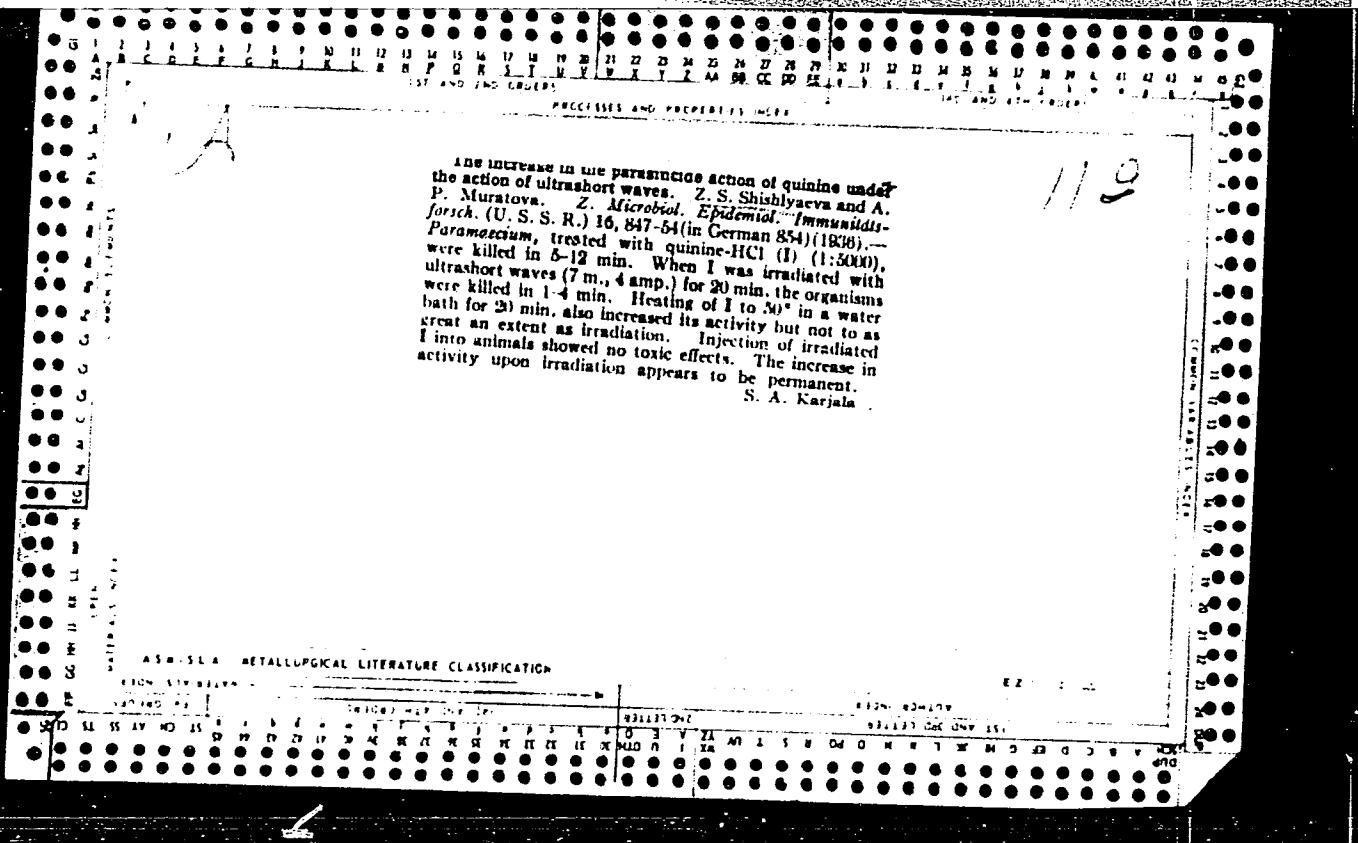
SHISHLYANNIKOVA, M.A.

Minutes of the Moscow Society of Pediatricians. Pediatriia 4
no.7:88-95 Jl'63 (MIRA 16:12)

SHISHLYANIKOVA, M.S., kandidat meditsinskikh nauk (Moskva)

Ways of controlling dysentery in infants. Med.sestra no.6:6-10 Je
'55. (MIRA 8:?)

(DYSENTERY, in infant and child,
control)



USSR / Pharmacology and Toxicology. Chemotherapeutic Agents.
Antimalarial Agents.

V-10

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 80714

Author : Shishlyayeva-Matova, Z. S.

Inst : Not given

Title : Parasiticide Effect of Bihumal During Three-Day and Tropic
Malaria

Orig Pub : Tr. Uzb. in-ta malyarii i med. parazitol., 1956, 2, 55-69

Abstract : 15 patients with 3-day and 20 patients with tropic malaria
were treated with bihumal (I). The first day I was intro-
duced in doses of 0.3 g 2 times and the 4 following days at
0.3 g daily. It was established that I possesses a strong
schizonticide effect; hematocide properties are established
only for three-day malaria. The most vulnerable forms are
the ring and young schizonts. Deformation and degeneration
of the adult schizonts occur in the 1-2nd day, with

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45

SHISHLYAYEVA-MATOVA, Z.S.

Study of the size of rings of Plasmodium vivax for differentiation
of exoerythrocytic Blasmodium generations in peripheral blood. Med.
paraz. i paraz.bol. 25 no.2:146-148 Ap-Je '56. (MLRA 9:8)

1. Iz Instituta malyarii i meditsinskoy parazitologii Ministerstva
zdravookhraneniya Uzbekskoy SSR (dir. instituta prof L.M.Isayev)
(PLASMODIUM
vivax, ring size & differentiation of exoerythrocytic
stage)

SHISHLYAYEVA-MATOVA, Z.S.

Problem of the epidemiological significance of *Anopheles hyrcanus*
Pall. in Uzbekistan. Med.paraz. i paraz.bol. 25 no.3:227-229
(MIRA 9:10)
J1-S '56.

1. Iz uzbekistanskogo instituta malyarii i med. parazitologii (dir. -
prof. L.M.Isayev)
(MOSQUITOES,
Anopheles hyrcanus in Russia (Rus))

SUTSELYAY WA-MTCVA, Z.S.

Data on the study of the duration of the incubation period of natural leishmaniasis in Rhombomys opimus Licht. Med. paraz. i paraz. bol. 32 no.6:644-648 N-D '63 (MIRA 18:1)

1. In Uzbekskogo nauchno-issledovatel'skogo instituta eksperimental'noy meditsinskoy parazitologii i gel'mintologii (direktor - prof. L.N. Isayev).

MATALASOV, S.F.; POTAPOV, V.P.; SHISHLYKOV, Ye.S., inzhener, redaktor;
YUDZON, D.M., tekhnicheskiy redaktor

[Refrigeration and organization of perishable goods transportation]
Kholodil'noe delo i organizatsiya perevozok skoroporiashchikhsia
gruzov na zheleznykh dorogakh. Moskva, Gos. transp. zhel-dor. izd-
vo, 1953. 263 p.

(MLRA 7:9)

(Refrigeration and refrigerating machinery)
(Refrigerator cars) (Food--Preservation)

DEM'YANKOV, Nikolay Vladimirovich; ABRAMOV, Vasiliy Alekseyevich;
SHISHLYKOV, Ye.S., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Refrigerating machines and installations] Kholodil'nye
mashiny i sooruzheniya. Moskva, Gos.transp.zhel-dor.
izd-vo, 1959. 434 p. (MIRA 12:6)
(Refrigeration and refrigerating machinery)

DOMAYEV, Foma Vasil'yevich; KALININ, G.N., inzh., retsenzent; RYASNOY,
I.F., inzh., retsenzeng; SHISHLYKOV, Ye.S., inzh., red.;
VOROTNIKOVA, L.F., tekhn. red.

[Repairing basic units of electric gantry cranes and fork lift
trucks] Remont osnovnykh uzlov elektrokozlovykh kranov i avto-
pogruzchikov. Moskva, Transzheldorizdat, 1962. 94 p.
(MIRA 15:7)

(Electric cranes--Maintenance and repair)
(Fork lift trucks--Maintenance and repair)

LANGUROV, I.Z., kand. tekhn.nauk; ZAVADSKIY, K.I., inzh.; GALLE,
A.G., inzh., retsenzent; KRICH, B.V., insh., retsenzent;
PANKOV, A.M., inzh., retsenzent; SHISHLYKOV, Ye.S., inzh.,
red.; USENKO, L.A., tekhn. red.

[Organization of the transportation of bulk liquid cargo]
Organizatsiya perevozok nalivnykh gruzov. Moskva, Transzhezdorizdat, 1963. 269 p.
(MIRA 16:4)
(Tank cars) (Railroads--Freight)

DRUGAL', Sergey Aleksandrovich; ZUBAREV, Viktor Vasil'yevich;
KOGAN, L.A., kand. tekhn.nauk, retsenzent; MARTYNOV, M.S.,
inzh., retsenzent; FEDORCHUK, V.A., kand. tekhn. nauk,
retsenzent; FILIPPOVA, L.S., red.; SHISHLYKOV, Ye.S., inzh.,
red.; USENKO, L.A., tekhn. red.

[Experience in the mechanization of the servicing of
refrigerator cars] Opyt mekhanizatsii ekipirovki vagonov-
lednikov. Moskva, Transzheldorizdat, 1963. 31 p.
(MIRA 16:5)

(Refrigerator cars)
(Railroads--Equipment and supplies)

RUBINSHTEYN, B.I.; MALAKHOV, K.N., inzh., retsenzent; SHISHLYKOV,
Ye.S., inzh., red.; DROZDOVA, N.D., tekhn. red.

[Grain transportation; from the practices of the Kustanay
Section of the Kazakh Railroad] Opyt perevozok zerna; iz
praktiki Kustanaiskogo otdeleniya Kazakhskoi dorogi. Mo-
skva, 1963. 38 p.
(Kazakhstan—Grain--Transportation)

MARTYNOV, M.S.; POTAPOV, V.P., inzh., retsenzent; SOTNIKOVA, M.A.,
inzh., retsenzent; SHISHLYKOV, Ye.S., inzh., red.;
VOROTNIKOVA, L.F., tekhn. red.

[Transportation of perishable goods] Perevozki skoroprotia-
shchikhsia gruzov. Moskva, Transzheldorizdat, 1963. 331 p.
(MIRA 16:7)

(Railroads--Freight) (Refrigerator cars)

PADNYA, Vitaliy Akimovich; BAZANOV, A.F., kand. tekhn. nauk,
retsenzent; SHISHLYKOV, Ye.S., inzh., red.; USENKO, L.A.,
tekhn. red.

[Loading and unloading machines] Pogruzochno-razgruzochnye
mashiny; spravochnik. Izd.2., perer. i dop. Moskva, Trans-
zheldorizdat, 1963. 502 p. (MIRA 16:7)
(Loading and unloading--Equipment and supplies)

...vityet, V. M. SAVIN, K. F., transl., retouched; A. N. KARAEV,
Yu. I., transl., red.

Mechanization and automation of the operations of station ticket and cash offices] mehanizatsija i avtomatizatsija biletno-kassevych operatsij na vokzalakh. Moscow, Transport, 1974. 100 p.
(MIL: 1737)

STEFANOV, N.Ya., kand. tekhn. nauk, prof.; OLESHKO, G.I., kand. tekhn. nauk, dots.; DEL RIO, B., kand. tekhn. nauk, dots.; GRITSENKO, V.I., inzh.; KOSTENKO, O.A., inzh.; PARKHOMENKO, N.V., inzh.; KULESHOV, V.M., inzh.; GONCHAROV, N.Ye., kand. tekhn. nauk, dots.; LEKHCHINSKIY, A.A., kand. tekhn. nauk, dots.; DOLABERIDZE, A.M., doktor tekhn. nauk, prof.; ZLATKOVSKIY, V.N., kand. tekhn. nauk, dots.; DMITRIYEV, V.K., kand. tekhn. nauk, dots.; SHIPULIN, A.P., inzh.; SHISHLYKOV, Ye.S., red.

[Automation of the operation of hump yards (using electronic computers)] Avtomatizatsiya raboty sortirovochnykh stantsii (s primenением vychislitel'nykh mashin). Moskva Transport, (MIRA 17:7) 1964. 175 p.

REZER, Semen Moiseevich; LAKHT, Anatoliy Viktorovich;
SHISHLYKOV, Ye.S., red.

[Coordinating railroad and automotive transportation work:
practice of the station of Sverdlovsk-Tovarnyy and the
Sverdlovsk Province Administration Board] Koordinatsii ra-
boty zheleznodorozhnogo i avtomobil'nogo transporta; opyt
stantsii Sverdlovsk-Tovarnyi i sverdlovskogo oblastnoprav-
leniya. Moskva, Transport, 1965. 86 p. (MIRA 18:4)

KARABA, Vladimir Ivanovich; SHISHLYKOV, Ye.S., inzh., red.;
VASIL'YEVA, N.N., tekhn. red.

[Rapid transportation of local freight] Uskorennyi razvoz
mestnogo gruza. Moskva, Transzhelizdat, 1962. 36 p.
(MIRA 15:10)

1. Dispatcher Dnepropetrovskogo otdeleniya Pridneprovskoy
dorogi (for Karaba).

(Railroads--Freight)

NENAKHOV, Petr Zakharovich; KOMISSAROV, A.D., inzh., retsenzent; ORLOV,
V.M., inzh., red.; SHISHLYKOV, Ye.S., inzh., red.; BOBKOV^A,
Ye.N., tekhn. red.

[Manual of the baggage-weighing and issuing attendant] Spra-
vochnik vesovshchika-razdatchika bagazha. Moskva, Transzhel-
dorizdat, 1962. 210 p. (MIRA 15:11)
(Railroads—Baggage)

IL'IN, Konstantin Pavlovich, kand. tekhn. nauk; SHISHKIN, Nifont
Ivanovich, inzh.; GAUZNER, S.I., inzh., retsenzent;
SHISHLYKOV, Ye.S., inzh., red.; KHITROVA, N.A., tekhn. red.

[Manual on freight weighing] Spravochnik po vesovomu kho-
zjstvu. Moskva, Transzheldorizdat, 1962. 319 p.
(MIRA 15:11)
(Weighing machines) (Railroads—Freight)

GRINEVICH, Georgiy Petrovich, prof., doktor tekhn. nauk; STOGOV, V.N., doktor tekhn. nauk, retsenzent; SHISHLYKOV, Ye.S., inzh., red.; KHITROVA, N.A., tekhn.red.

[Mechanization and automation of loading and unloading operations and warehouses in railroad transportation] Mekhanizatsiya i avtomatizatsiya pogruzochno-razgruzochnykh rabot i sklady na zhelezodorozhnom transporte. Moskva, Transzheldorizdat, 1962. (MIRA 15:11)
355 p.

1. Rukovoditel' kafedry "Stroitel'nyye, putevyye i pogruzochno-razgruzochnye mashiny" Khar'kovskogo instituta inzhenerov zhelezodorozhного transporta (for Stogov).
(Railroads--Freight) (Automatic control)

VINOKUROV, A.D., inzh.; DYUBKO, A.P., inzh.; LEVSHIN, B.S., inzh.;
L'VITSIN, N.F., inzh.; RESHETIN, I.S., inzh.; KHUDYAKOVSKIY,
Yu.K., inzh.; SHAPOVALENKO, M.M., inzh.; SHATSKAYA, E.P.,
inzh.; MATALASOV, S.F., kand. tekhn. nauk, retsenzent;
SHISHLYKOV, Ye.S., inzh., red.; KHITROVA, N.A., tekhn. red.

[Manual on the transportation of perishable goods] Spravochnik po perevozke skoroportiashchikhsia gruzov. [By] A.D. Vinokurov i dr. Moskva, Transzheldorizdat, 1963. 323 p.
(MIRA 16:10)

(Railroads--Freight) (Refrigerator cars)